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Applicants: Wade M. POTEET et al.
Title: Methods and Apparatus for Molecular
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 $\left(\frac{1}{2}\right)$ 103 106

FIGURE 1. Functional Block Diagram: Ultraviolet Fluorescence System 1

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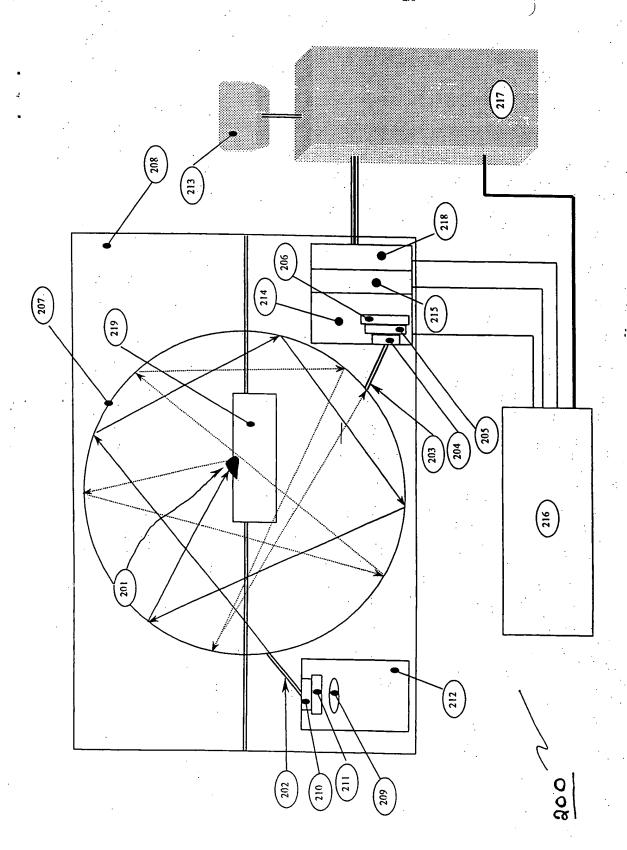


FIGURE 2. Functional Block Diagram: Ultraviolet Fluorescence System 2

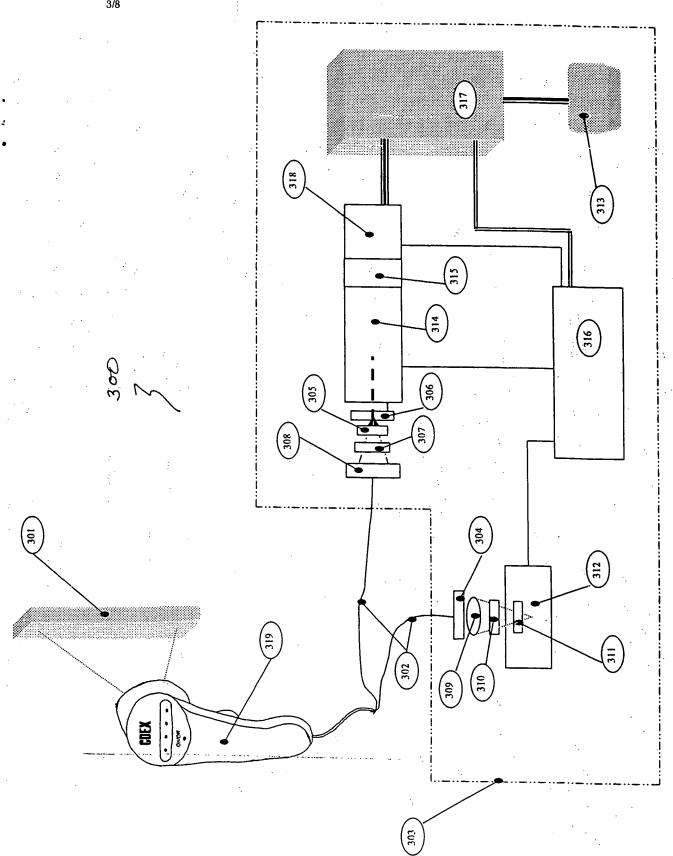


FIGURE 3. Functional Block Diagram: Ultraviolet Fluorescence System



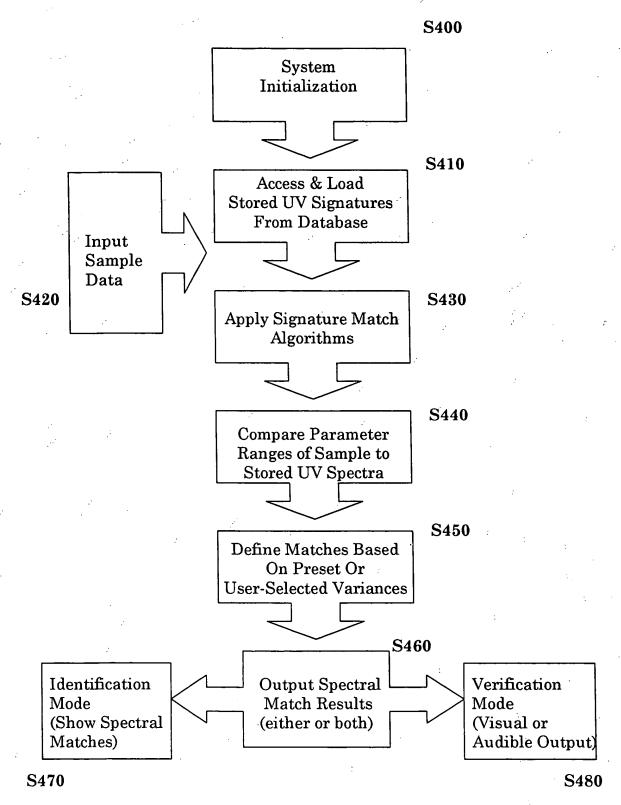


Figure 4.

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C4-Flu r meter

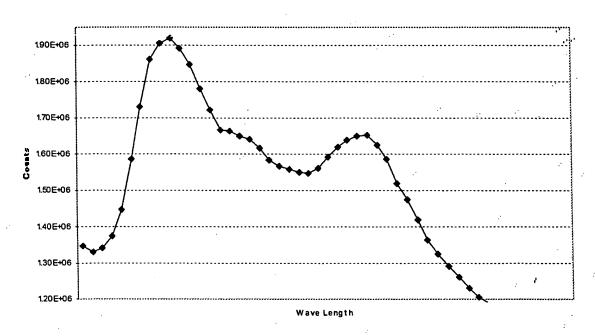


FIGURE 5. UV Spectrum of C4 Explosive

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Cocaine - Fluorometer

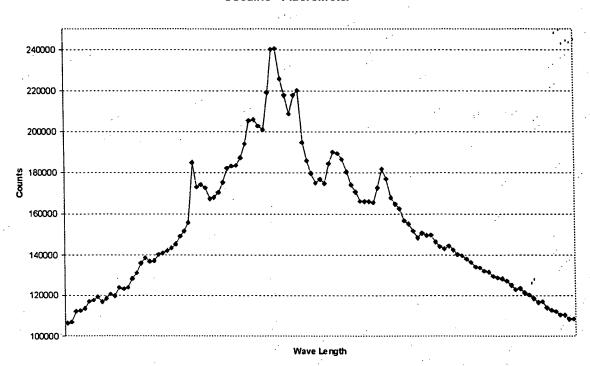


FIGURE 6. UV Spectrum of Cocaine

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TATP - Fluorometer

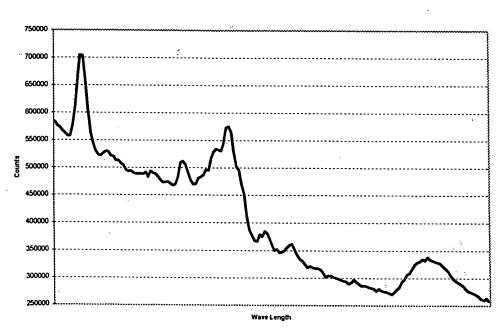


FIGURE 7. UV Spectrum of TATP Explosive

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TNT - Flu rometer

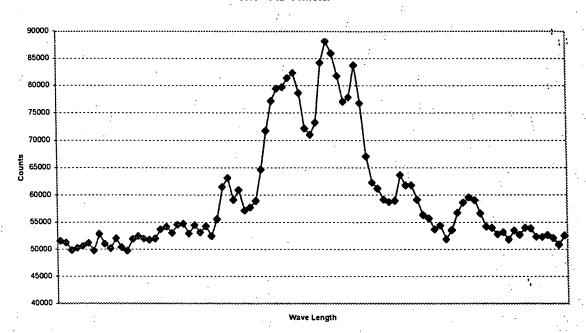


FIGURE 8. UV Spectrum of US TNT Explosive